

## OPTICS STRUCTURES EMPLOYING SEMICONTINUOUS METAL FILMS

### ABSTRACT OF THE DISCLOSURE

An optical sensing enhancing material comprising a medium, the medium comprising a  
5 semicontinuous metal film of randomly distributed metal particles and their clusters at approximately their  
percolation threshold. The medium preferably additionally comprises a microcavity / microresonator.  
Also devices and methods employing such material.

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1.05T60" at 2.5560